CSCI516: Program 2 – as a HW. The program is due by November 17 ,2010 before the beginning of the class. Points will be cut for late submission.

Write an Assembly language Program whose input is your FAMILY NAME, SID and a LID as a decimal numbers. The program must:

- reverse the SID and your FAMILY NAME;
- find the sum of the SID and its reverse;
- find the sum of your List ID and SID.

On a clear screen and separate lines the program must provide the following outputs, if the division of your SID by your LID gives a reminder:

0, 4, 5 – do as required in 0);
1, 6, 7 - do as required in 1);
2, 8- do as required in 2);
3, 9 - do as required in 3).

0) Prompt the user with:

Press NI to see my name and its inverse:
(In a new line write the names.)

Press S to see my SID its inverse and their sum:
(In a new line show the SID, its inverse and their sum separate by multiple blanks.)

1) Prompt the user with:

Press NC to see my name in capital letters:
(In the beginning of new line show your name in capital letters)

Press SF to see the sum of the 1^{st} , 6^{th} and 7^{th} digits of my SID.

2) Prompt the user with:

Press NS to see my name and the inverse of my SID:
(In the beginning of new line write the requirements separated by blanks)

Press SS to see the sum of the 2^{nd} and the 9^{th} digits of my inverse SID.
(In the beginning of new line write the requirements separated by blanks)

3) Prompt the user with:

Press NL to see my name, my LID and its inverse:
(In the beginning of new line write the requirements separated by blanks)

Press SI to see the sum of my SID, LID and the inverse of the sum.
(In the beginning of new line write the requirements separated by blanks)

Turn a floppy or a CD with the following files: Prg2_LID.ASM, Prg2_LID.LST, Prg2_LID.OBJ, Prg2_LID.EXE. The notion LID means your List ID number.